



**Canyon Fuel Company, LLC**  
SUFCO Mine  
397 South 800 West  
Salina, Utah 84654  
(435) 637-4880 Fax: (435) 636-4499

ok

October 3, 2001

Utah Coal Program  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

*Jacobs*  
*10/4/01*

Dear Program Supervisor:

Enclosed are annual certification reports for Canyon Fuel Company's SUFCO Mine: Minesite Sedimentation Pond, Waste Rock Disposal Site and the associated Waste Rock Sedimentation Pond.

These certifications are being submitted prior to SUFCO's Annual Report as required by R645-514.

Sincerely,  
CANYON FUEL COMPANY, LLC  
SUFCO Mine

A handwritten signature in cursive script that reads "Wesley K. Sorensen".

Wesley K. Sorensen, P.E.  
Technical Services Manager

WKS:kb

cc: DOGM Sediment Pond Inspection File

**ANNUAL MINESITE SEDIMENTATION POND  
CERTIFICATION -- 2001**

An inspection of Canyon Fuel Company's SUFCO Minesite Sediment Pond was conducted by Wesley K. Sorensen, P.E. on September 27, 2001.

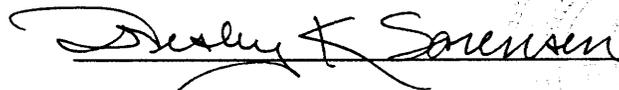
No signs of structural weakness of the dam or surrounding slopes were observed.

The fill slope above the pond has minor erosion gullies in several locations. No signs of instability of the fill slope were noted.

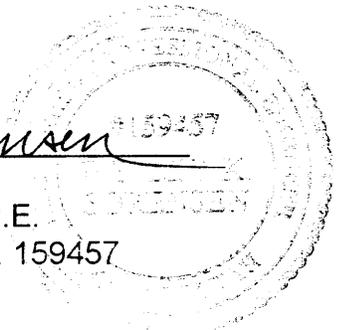
The water in the pond was at an elevation of 7408.48, which is 9.67 ft below the standpipe spillway elevation. About an additional 1.4 acre-ft of storage volume was available in the pond above the current water level. The sediment level in the pond just north of the decant structure was at 7405.45. This elevation is 3.65 ft below the 60% sediment level. The pond was cleaned during late August and early September.

A copy of the field notes is attached.

I certify that the above description accurately represents the condition of the Minesite Sediment Pond as observed during my inspection on September 27, 2001.



Wesley K. Sorensen, P.E.  
Registration No. 159457  
State of Utah



WKS:kb

Attachment

Sunny  
63°F

2/27/92 MLD

CANYON FUEL COMPANY - SUFCO MINE

Minesite Sediment Pond <sup>Annual</sup> Quarterly Inspection Report

Inspector Wesley K Borinson Date 9/27/01

1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  No

None observed

B. Cracks or scarps on slope  Yes  No

None observed

C. Sloughing or bulging on slope  Yes  No

None observed

2. Major Erosion Problems  Yes  No

None observed

3. Surface Movements of Surrounding Slopes  Yes  No

None observe

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No

Water in pond. Pond totally cleaned  
Aug/Sept.

5. Clogging

A. Spillway channels and pipes  Yes  No

None observed - clear

Riprap on emergency has dirt in from  
cleaning operation. Will not impede discharge

B. Decant System  Yes  No

Oil skimmer needs to be put back on discharge.

C. Diversion ditches  Yes  No

clear.

6. Seepage (Specify Location, Color and Approx. Volume)  Yes  No

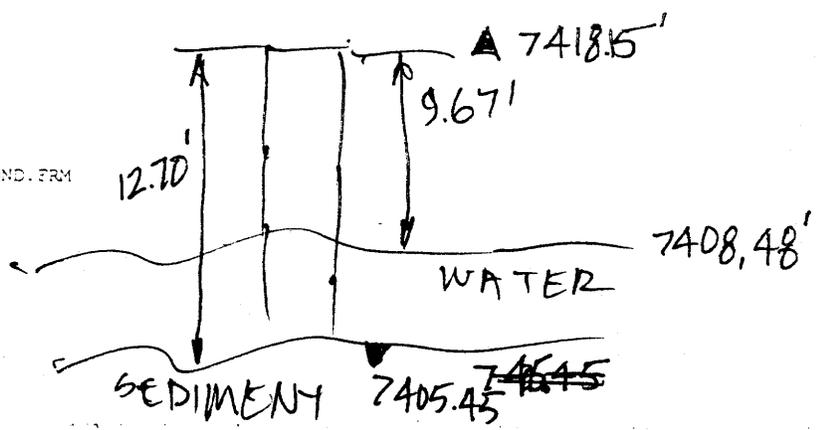
7. Any appearance of instability, structural weakness, or other hazardous conditions  Yes  No

None observed.

8. Weir level  Yes  No

9. Other Comments NO water in by-pass

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**ANNUAL WASTE ROCK SEDIMENTATION POND  
CERTIFICATION -- 2001**

An inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Sediment Pond and associated Decant Impoundment was made on September 27, 2001 by Wesley K. Sorensen, P.E.

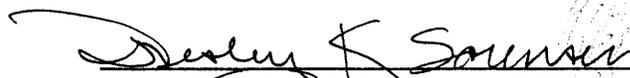
No signs of structural weakness of the sediment pond dam or decant impoundment dam were observed.

The diversion ditches, spillways and decant devices are in as-constructed condition and are functional.

No water was present in the pond. The pond was cleaned in September and was completely dry. The sediment level at the north end of the pond was at an elevation of 7883.35 ft. The 60% sediment level for the pond is at 7885.15 ft. There is an additional 1.8 ft of depth in the pond before the clean out level is reached. No sediment or water was observed in the decant impoundment.

A copy of the field notes of the inspection is attached.

I certify that the above description accurately represents the condition of the Waste Rock Sedimentation Pond and Decant Impoundment observed during the inspection conducted on September 27, 2001.

  
Wesley K. Sorensen, P.E.  
Registration No. 159457  
State of Utah



WKS:kb

Attachment

Sunny  
65°F

2/27/92 MLD

CANYON FUEL COMPANY - SUFCO MINE

Rock Waste Sediment Pond <sup>Annual</sup> ~~Quarterly~~ Inspection Report

Inspector Wesley K Sorensen P.E. Date 9/27/01

1. Dam Structural Weakness

A. Cracks or scarps on crest  Yes  No  
None observed

B. Cracks or scarps on slope  Yes  No  
None observed

C. Sloughing or bulging on slope  Yes  No  
None observed

2. Major Erosion Problems  Yes  No  
None observed

3. Surface Movements of Surrounding Slopes  Yes  No  
None observed

4. Visible Sumps or Sinkholes in Slurry Surface  Yes  No  
Pond Dry & clean

5. Clogging

A. Spillway channels and pipes  Yes  No  
Clear

B. Decant System

~~Yes~~  No

clear & locked

C. Diversion ditches

Yes  No

clear

6. Seepage (Specify Location, Color and Approx. Volume)

Yes  No

None

7. Any appearance of instability, structural weakness, or other hazardous conditions

Yes  No

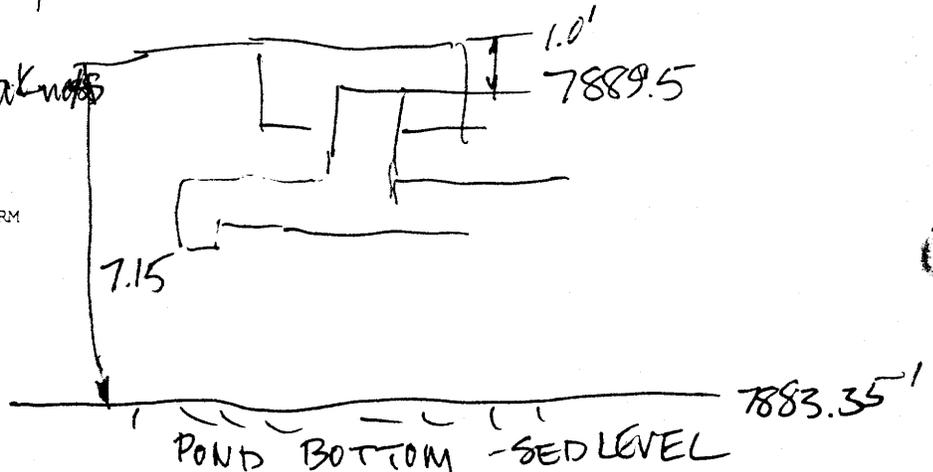
8. Other Comments

Pond cleaned in September

Decant pond okay

No erosion  
No structural weakness  
Spillway clear

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**ANNUAL WASTE ROCK DISPOSAL SITE  
CERTIFICATION -- 2001**

An inspection of Canyon Fuel Company's SUFCO Mine Waste Rock Disposal Site was made by Wesley K. Sorensen, P.E. on September 27, 2001.

The pad of the fourth cell has active dimensions of about 215 ft x 115 ft. Several end dumped piles of development waste were on the pad at the time of the inspection. This underground development waste is dumped from 10 wheel end-dump trucks in piles about 3.5-4 ft high. These piles are leveled with a D-6 Cat dozer or a 988 Cat loader. The resulting lift thickness is 18-24 inches. The dozer/loader and loaded trucks are routed over the pad to compact the lift. The clean out waste from the mine site sediment pond was also spread across part of the pad and was partially dry. This waste needs to be mixed with development waste and compacted prior to bad weather conditions this fall.

Final and intermediate construction slopes were at or less than the designed 1v:2h (26.5°). Slopes are constructed such that water cannot collect against the toe.

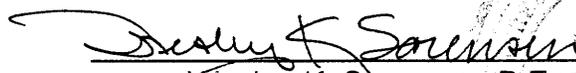
No fires have occurred at the site since it was constructed and none were observed during the inspection.

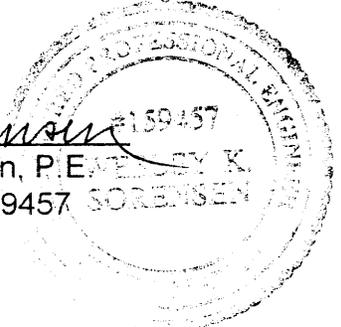
No significant erosion was observed.

A copy of the field notes is attached.

Vegetation is growing abundantly on cells 1, 2, and 3 and consists of grass, brush and forbes.

I certify that the above description accurately represents the conditions observed at the Waste Rock Disposal Site during my inspection conducted September 27, 2001.

  
Wesley K. Sorensen, P.E. #159457  
Registration No. 159457 SORENSEN  
State of Utah



WKS:kb

Attachment

Sunny  
65° F

2-27-92 MLD

CANYON FUEL COMPANY - SUFCO MINE

Coal Refuse Piles <sup>Annual</sup> Quarterly Inspection Report

Inspector Wesley K Sorenson P.E. Title P.E.

Date 9/27/01 Permit # ACT/041/002

1. Foundation Preparation (vegetation, topsoil removal?)

Yes  No

2. Lift Thickness (inches) 18-24"

3. Compaction Active cell 115' x 215'  Yes  No

4. Burning (specify extent and location)  Yes  No

None observed

5. Angle of Slope (degrees) Active cell W 20-24° S 22-25°

6. Seepage (specify location, color, & appr. volume)  Yes  No

None observed

7. Cracks or Scarps (location and size)  Yes  No

None observed

8. Major Erosion Problems (location and extent)  Yes  No

None observed

9. Water Impounding Against Toe  Yes  No

None

10. Any appearance of instability, structural weakness or other hazardous conditions  Yes  No

Sediment from minesite pond needs to be spread & mixed with regular waste when it finishes drying out.

Wesley K Sorenson

(Wesley K. Sorenson)

Registration No. 159457

State of Utah

